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MUTANT RECOMBINASES

Abstract:

The invention provides hyperactive mutant recombinases and hybrid mutant recombinases, and methods for their identification. Also provided are nucleic acids encoding hyperactive mutant recombinases and hybrid recombinases, as well as vectors and host cells. Host cells include eukaryotic cells capable of expressing said recombinases and carrying out site-specific recombination in the cell. The mutant recombinases may be used, for example, in biotechnology, gene therapy or transgenic applications.

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